

What is claimed is:

1. An information processing method, comprising:
analyzing XML data corresponding to a form screen, and specifying
5 a business class corresponding to a tag included in said XML data;
referring to a business class manager in which items of said
business classes to be created are registered, and judging whether
an item of the specified business class has not been registered in
said business class manager; and
10 if said item of the specified business class has not been
registered in said business class manager, registering said item of
the specified business class in said business class manager.
2. The information processing method as set forth in claim 1, further
15 comprising:
if said item of the specified business class has not been
registered in said business class manager, generating template source
program data for the specified business class.
- 20 3. The information processing method as set forth in claim 1, further
comprising:
reading out an HTML file for said form screen, and generating
XML data corresponding to said form screen according to a predetermined
rule.
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4. The information processing method as set forth in claim 1, wherein
said analyzing and specifying comprises specifying a pre-processing
class, a post-processing class and a form processing class, so as to
correspond to a start tag or an end tag of said XML data corresponding
30 to said form screen.
5. The information processing method as set forth in claim 3, further

comprising:

generating said HTML file for said form screen in response to an instruction of a user.

- 5 6. The information processing method as set forth in claim 1, further comprising:

specifying a form item storing object by a tag included in said XML data corresponding to said form screen;

referring to a form item storing object manager in which items
10 of form item storing objects to be created are registered, and judging whether an item of the specified form item storing object has not been registered in said form item storing object manager; and

if said item of the specified form item storing object has not been registered in said form item storing object manager, registering
15 said item of the specified form item storing object into said form item storing object manager.

7. An information processing method, comprising:

analyzing XML data corresponding to a form screen, and specifying
20 a business class corresponding to a tag included in said XML data;

referring to a business class manager in which items of said business classes to be created are registered, and judging whether an item of the specified business class has not been registered in said business class manager; and

25 if said item of the specified business class has not been registered in said business class manager, generating template source program data for the specified business class.

8. An information processing method, comprising:

30 obtaining XML data including a tag corresponding to data inputted or selected for a form screen, and specifying a business class that corresponds to said tag included in said XML data and is a program

for carrying out a processing relating to said tag; and

calling the specified business class among the business classes that are defined in advance, and are loaded into a memory.

5 9. The information processing method as set forth in claim 8, wherein said obtaining and specifying comprises specifying a pre-processing class, a post-processing class, and a form processing class that correspond to a form of said form screen and a tag included in said XML data.

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10. The information processing method as set forth in claim 8, further comprising:

outputting said data inputted or selected for said form screen to a form item storing object that is defined in advance and is loaded
15 into a memory;

storing said data inputted or selected for said form screen into said memory by said form item storing object; and

performing a processing by exchanging data between the called business class and said form item storing object.

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11. The information processing method as set forth in claim 10, wherein said performing comprises:

if data is transferred from a first business class to a second business class, outputting said data to an interclass interface object
25 that is defined in advance and is loaded into said memory, by said first business class; and

referring to said interclass interface object and receiving said data from said interclass interface object by said second business class.

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12. The information processing method as set forth in claim 8, further comprising:

receiving data inputted or selected for said form screen from an apparatus that displayed said form screen, and generating said XML data including said data inputted or selected for said form screen and corresponding tags.

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13. The information processing method as set forth in claim 10, further comprising:

if an output request is received from a called business class, generating output XML data by using data held in said form item storing object; and

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outputting said output XML data to said apparatus that displayed said form screen.

14. The information processing method as set forth in claim 8, further comprising:

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if the specified business class does not exist, generating and outputting error information.

15. The information processing method as set forth in claim 8, wherein each of the called business classes is configured so as to complete a processing for the entire form relating to said form screen by a processing executed by the called business classes without a program defining a processing sequence.

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16. A program embodied on a medium, for causing a computer to execute an information processing, said program comprising:

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analyzing XML data corresponding to a form screen, and specifying a business class corresponding to a tag included in said XML data;

referring to a business class manager in which items of said business classes to be created are registered, and judging whether an item of the specified business class has not been registered in said business class manager; and

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if said item of the specified business class has not been registered in said business class manager, registering said item of the specified business class in said business class manager.

- 5 17. A program embodied on a medium, for causing a computer to execute an information processing, said program comprising:

analyzing XML data corresponding to a form screen, and specifying a business class corresponding to a tag included in said XML data;

- referring to a business class manager in which items of said
10 business classes to be created are registered, and judging whether an item of the specified business class has not been registered in said business class manager; and

- if said item of the specified business class has not been registered in said business class manager, generating template source
15 program data for the specified business class.

18. A program embodied on a medium, for causing a computer to execute an information processing, said program comprising:

- obtaining XML data including a tag corresponding to data inputted
20 or selected for a form screen, and specifying a business class that corresponds to said tag included in said XML data and is a program for carrying out a processing relating to said tag; and

- calling the specified business class among the business classes that are defined in advance, and are loaded into a memory.

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19. An information processing apparatus, comprising:

an analyzer for analyzing XML data corresponding to a form screen, and specifying a business class corresponding to a tag included in said XML data;

- 30 a checker for referring to a business class manager in which items of said business classes to be created are registered, and judging whether an item of the specified business class has not been registered

in said business class manager; and

a register for registering said item of the specified business class in said business class manager, if said item of the specified business class has not been registered in said business class manager.

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20. An information processing apparatus, comprising:

an analyzer for analyzing XML data corresponding to a form screen, and specifying a business class corresponding to a tag included in said XML data;

10 a checker for referring to a business class manager in which items of said business classes to be created are registered, and judging whether an item of the specified business class has not been registered in said business class manager; and

15 a generator for generating template source program data for the specified business class, if said item of the specified business class has not been registered in said business class manager.

21. An information processing apparatus, comprising:

20 a first processor, obtaining XML data including a tag corresponding to data inputted or selected for a form screen, and specifying a business class that corresponds to said tag included in said XML data and is a program for carrying out a processing relating to said tag; and

25 a second processor, calling the specified business class among the business classes that are defined in advance, and are loaded into a memory.